

Title (en)
VEHICLE POWER SUPPLY SYSTEM WITH REDUNDANCY AND METHOD FOR CONTROLLING THE POWER SUPPLY SYSTEM

Title (de)
FAHRZEUGENERGIEVERSORGUNGSSYSTEM MIT REDUNDANZ UND VERFAHREN ZUR STEUERUNG DES ENERGIEVERSORGUNGSSYSTEMS

Title (fr)
SYSTÈME D'ALIMENTATION ÉLECTRIQUE DE VÉHICULE À REDONDANCE ET PROCÉDÉ DE COMMANDE DU SYSTÈME D'ALIMENTATION ÉLECTRIQUE

Publication
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Application
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Priority
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Abstract (en)
[origin: EP3547518A1] A power supply system (100) for a vehicle, the system comprising: a battery pack (102) comprising at least two parallel strings of battery cells, each string forming a battery (104a-b) having a first output voltage; a switch mechanism (106, 108) configured to connect one of the at least two batteries to a first battery pack output terminal (110), wherein the first battery pack output terminal is connected to a first power consumer (112); and a multichannel DC/DC converter (114) having an input terminal (116) connected to the first battery pack output terminal, the multichannel DC/DC converter comprising a plurality of outputs (118a-d), wherein at least one of the plurality of outputs is configured to provide a second voltage, the second voltage being lower than the first voltage, and wherein the at least one output of the multichannel DC/DC converter is connected to a second power consumer (120, 122).

IPC 8 full level
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Cited by
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EP 18163842 A 20180326; CN 201910220535 A 20190322; US 201916351643 A 20190313